REMARKS

By this amendment, claims 1 and 13 have been amended, and claims 9 and 17 have been cancelled without prejudice or disclaimer. Claims 2-7, 14-15, and 20-23 and have been previously canceled. Claim 24 has been withdrawn from further consideration. Accordingly, claims 1, 8, 10-13, 16, and 18-19 are currently pending in the application, of which claims 1 and 13 are independent claims.

Applicants respectfully submit that the above amendments do not add new matter to the application and are fully supported by the specification. Support for the amendments may be found at least at page 8, lines 21-23 of the specification; and original claims 9 and 17.

Entry of the Amendment is proper under 37 C.F.R. §1.116 because it (a) places the application in *prima facie* condition for allowance for the reasons discussed herein; (b) does not raise new issues requiring further search and/or consideration by the Examiner because similar subject matter was previously considered by the Examiner and thus further consideration and/or search by the Examiner is not warranted; and (c) places the application in better form for appeal, should an appeal be necessary. For at least these reasons, entry of the present Amendment is therefore respectfully requested. Accordingly, Applicants request reconsideration and timely withdrawal of the pending rejections for the reasons discussed below.

Rejections Under 35 U.S.C. § 102

Claims 1, 8-13, and 16-19 stand rejected under 35 U.S.C. § 102(e) as being allegedly anticipated by PCT Publication No. WO 03/022008A1 applied for by Thompson, *et al.* ("Thompson").

In order for a rejection under 35 U.S.C. § 102(e) to be proper, a single reference must disclose every claimed feature. To be patentable, a claim need only recite a single novel

feature that is not disclosed in the cited reference. Thus, the failure of a cited reference to disclose one or more claimed features renders the 35 U.S.C. § 102(e) rejection improper.

Amended claims 1 and 13 recite, *inter alia*:

"an electron barrier layer comprising phenylenediamine derivatives."

Thompson fails to teach or suggest at least such features. Rather, Thompson discloses that the electron blocking layers can comprise "any organic electron blocking material known in the art such as, for example, triarylamines or benzidenes" (page 27, lines 1-2). Furthermore, the metal doped organic structure of Thompson (page 23), which the Office Action relies upon to teach a compound in the electron barrier layer of the present invention, is not a phenylenediamine derivative. Phenylenediamine is a benzene substituted with two nitrogens. However, the metal complex of Thompson includes two pyridines. Therefore, Thompson does not teach "an electron barrier layer comprising phenylenediamine derivatives" and fails to teach or suggest each and every feature of claims 1 and 13.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 102(e) rejection of claims 1 and 13. Claims 8 and 10-12 depend from claim 1 and are allowable for at least this reason. Claims 16 and 18-19 depend from claim 13 and are allowable for at least this reason. Since none of the other prior art of record discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claims 1 and 13, and all the claims that depend therefrom, are allowable.

CONCLUSION

Applicants believe that a full and complete response has been made to the pending Office Action and respectfully submit that all of the stated grounds for rejection have been overcome or rendered moot. Accordingly, Applicants respectfully submit that all pending claims are allowable and that the application is in condition for allowance.

Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicants' undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/hae-chan park/

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